82/113
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Improved Crank-Pin Machine.

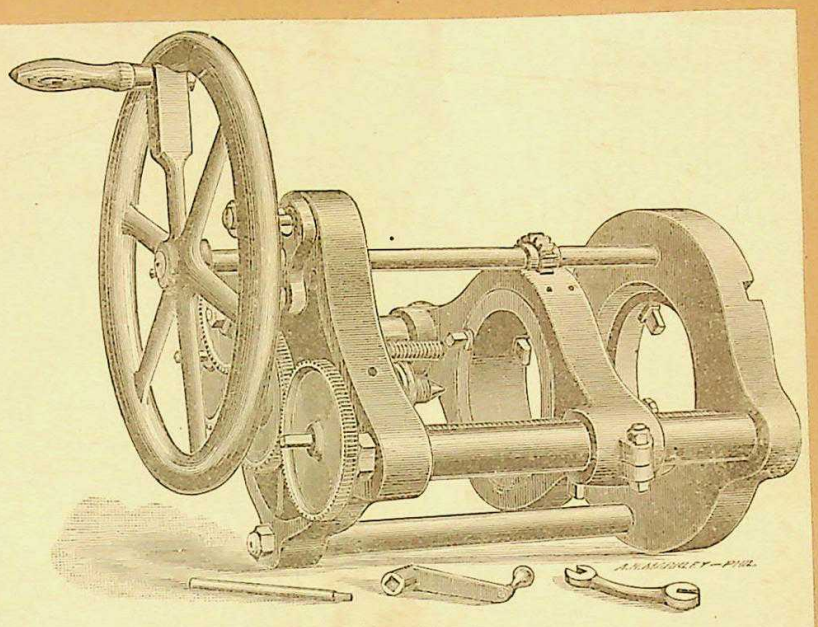
Am. Machinist 3/24/88.

The accompanying cut shows an improvement by Pedrick & Ayer, of Philadelphia, Pa., upon their well-known crank-pin turning machine.

The makers consider it a great improvement over their old one, retaining all its good points, and possessing others which make it a very valuable machine for its particular work. The tools are easy of access, can be seen, and are readily adjusted. All wear can be taken up. It is lighter in weight and much easier to handle, yet strong and powerful. It will quickly and accurately true up crank-pins, taking off that part of the pin which is eccentric only, and leaving the fillets at the corners. It will feed either way, and fit any size pin. It will go over the collar of a consolidated engine pin, and for very small pins is provided with a collar which is slipped into the circular cutter head and the tool fastened to it, so that it will not project far enough to spring.

The end of the machine next the driver contains a four-jawed scroll chuck, having thin jaws which center that end of the machine. At the opposite end there is a center which enters the center of the pin. The machine is then mounted true by the original centers, and is clamped in position by bolts passing through the spokes of the driver.

The annular cutter-head containing the tools is driven by a small pinion, hand-wheel and shaft. From this shaft by gearing an automatic feed is obtained either way, a smooth, even feed motion being imparted to the cutter head by means of two feed screws.



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82/113